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Volume Contents

Vol. 56, No. 1, July 2003

Blocking Sensory Inputs to Identified Antennal Glomeruli Selectively Modifies Odorant Perception in *Drosophila* / 1
Jean-Marc Devaud, John Keane, and Alberto Ferrús
Published online 28 March 2003

Structural and Functional Changes in the Olfactory Pathway of Adult *Drosophila* Take Place at a Critical Age / 13
Jean-Marc Devaud, Angel Acebes, Mani Ramaswami, and Alberto Ferrús
Published online 28 March 2003

A Diffusible Signal Attracts Olfactory Sensory Axons toward Their Target in the Developing Brain of the Moth / 24
Lynne A. Oland, Wendy M. Pott, Charles T. Howard, Mark Inlow, and Jocelyn Buckingham
Published online 14 April 2003

***In Vivo* Dynamics of CNS Sensory Arbor Formation: A Time-Lapse Study in the Embryonic Leech / 41**
Michael W. Baker, Brent Kauffman, Eduardo R. Macagno, and Birgit Zipser
Published online 11 April 2003

Sex Differences and Hormone Influences on Tyrosine Hydroxylase Immunoreactive Cells in the Leopard Frog / 54
Walter Wilczynski, Eun-Jin Yang, and Diana Simmons
Published online 9 April 2003

Estrogen Alters Excitability But Not Morphology of a Sexually Dimorphic Neuromuscular System in Adult Rats / 66
Keith N. Fargo, Allison M. Foster, Mark W. Harty, and Dale R. Sengelaub
Published online 9 April 2003

Endogenous Neurotrophic Factors Enhance Neurite Growth by Bag Cell Neurons of *Aplysia* / 78
Binaben H. Vanmali, Elena V. Romanova, Maria C. Messner, Mona Singh, Joel Maruniak, Jonathan Sweedler, and Mark D. Kirk
Published online 24 April 2003

Cover: Olfactory receptor axons growing toward and into a 200-μm-thick slice of the sorting zone and developing antennal (olfactory) lobe of the moth, *Manduca sexta*. DiO-labeled axons extend from explants of the antennal receptor epithelium, which are arranged around the slice. Neuronal and glial nuclei were labeled with propidium iodide. See the article by Oland et al. on page 24.

Vol. 56, No. 2, August 2003

Systematic Regulation of Spine Sizes and Densities in Pyramidal Neurons / 95
Sıla Konur, Daniel Rabinowitz, Vivian L. Fenstermaker, and Rafael Yuste
Published online 13 May 2003

Mast Cells in the Rat Brain Synthesize Gonadotropin-Releasing Hormone / 113
Mona H. Khalil, Ann-Judith Silverman, and Rae Silver
Published online 12 May 2003

Vibration Signals from the FT Joint Can Induce Phase Transitions in Both Directions in Motoneuron Pools of the Stick Insect Walking System / 125
Ulrich Bässler, Arne E. Sauer, and Ansgar Büschges
Published online 14 May 2003

Peripheral Coding of Bitter Taste in *Drosophila* / 139
Nicolas Meunier, Frédéric Marion-Poll, Jean-Pierre Rospars, and Teiichi Tanimura
Published online 13 May 2003

Role of Calcineurin in Activity-Dependent Pattern Formation in the Dorsal Lateral Geniculate Nucleus of the Ferret / 153
Catherine A. Leamey, Chrystal L. Ho-Pao, and Mriganka Sur
Published online 14 May 2003

Fos-Like Immunoreactivity in Catecholaminergic Brain Nuclei after Territorial Behavior in Free-Living Song Sparrows / 163
Donna L. Maney and Gregory F. Ball
Published online 14 May 2003

Selective Involvement of the PI3K/PKB/Bad Pathway in Retinal Cell Death / 171
Claudia B.L. Campos, Pierre-André Bédard, and Rafael Linden
Published online 12 May 2003

Functional Mapping of Neurons That Control Locomotory Behavior in *Caenorhabditis elegans* / 178
Ephraim L. Tsalik and Oliver Hobert
Published online 13 May 2003

Cover: This micrograph of a developing retina treated with Notch antisense oligonucleotide shows newly generated ganglion cells in a region in which no ganglion cells were born in the contralateral control retina. Ganglion cells were labeled with the RA4 antibody (red), newly generated cells were labeled with BrdU (green), and all nuclei were labeled with DAPI (blue). From Silva, Ercole, and McLoon, *J. Neurbiol.* 54:511–524, 2003.

Vol. 56, No. 3, September 5, 2003

PTPμ-Dependent Growth Cone Rearrangement Is Regulated by Cdc42 / 199
Jullia A. Rosdahl, Sonya E. Ensslen, Jared A. Niedenthal, and Susann M. Brady-Kalnay
Published online 22 May 2003

Brain Aromatase, 5α-Reductase, and 5β-Reductase Change Seasonally in Wild Male Song Sparrows: Relationship to Aggressive and Sexual Behavior / 209
Kiran K. Soma, Barney A. Schlinger, John C. Wingfield, and Colin J. Saldanha
Published online 20 May 2003

Synaptic Plasticity and Functionality at the Cone Terminal of the Developing Zebrafish Retina / 222
Oliver Biehlmaier, Stephan C.F. Neuhauss, and Konrad Kohler
Published online 22 May 2003

Control of Flexor Motoneuron Activity during Single Leg Walking of the Stick Insect on an Electronically Controlled Treadwheel / 237
Jens Peter Gabriel, Hans Scharstein, Joachim Schmidt, and Ansgar Büschges
Published online 22 May 2003

Impaired Motor Coordination in Mice Lacking Neural Recognition Molecule NB-3 of the Contactin/F3 Subgroup / 252
Yasuo Takeda, Keiko Akasaka, Suni Lee, Satoru Kobayashi, Hitoshi Kawano, Shigeo Murayama, Naoki Takahashi, Kouichi Hashimoto, Masanobu Kano, Masahide Asano, Katsuko Sudo, Yoichiro Iwakura, and Kazutada Watanabe
Published online 22 May 2003

CB1 Cannabinoid Receptor Activation Inhibits a Neural Correlate of Song Recognition in an Auditory/Perceptual Region of the Zebra Finch Telencephalon / 266
Osceola Whitney, Ken Soderstrom, and Frank Johnson
Published online 20 May 2003

Protein Synthesis at Synapse versus Cell Body: Enhanced but Transient Expression of Long-Term Facilitation at Isolated Synapses / 275
Ke Liu, Jiang-Yuan Hu, Denong Wang, and Samuel Schacher
Published online 22 May 2003

Direct Injection of Venom by a Predatory Wasp into Cockroach Brain / 287
Gal Haspel, Lior Ann Rosenberg, and Frederic Libersat
Published online 20 May 2003

Androgen Receptor Expression in the Developing Male and Female Rat Visual and Prefrontal Cortex / 293
J.L. Nuñez, C.B. Huppenbauer, M.D. McAbee, J.M. Juraska, and L.L. DonCarlos
Published online 20 May 2003

Cover: The predatory wasp *Ampulex compressa* stings and injects its venom cocktail into the brain of its prey, the cockroach *Periplaneta americana.* The stereotaxic injection into the brain induces behavioral changes in the prey that are beneficial to the wasp and its offspring. See the article by Haspel et al., on page 287 of this issue.

Vol. 56, No. 4, September 15, 2003

Effects of Unilateral Lesions of HVC on Song Patterns of Male Domesticated Canaries / 303
F. Halle, M. Gahr, and M. Kreutzer
Published online 23 May 2003

Cathepsin B but Not Cathepsins L or S Contributes to the Pathogenesis of Unverricht-Lundborg Progressive Myoclonus Epilepsy (EPM1) / 315
Megan K. Houseweart, Len A. Pennacchio, Alex Vilaythong, Christoph Peters, Jeffrey L. Noebels, and Richard M. Myers
Published online 11 June 2003

***Hoxa10* and *Hoxd10* Coordinately Regulate Lumbar Motor Neuron Patterning / 328**
Amy W. Lin and Ellen M. Carpenter
Published online 11 June 2003

Progesterone Receptor Gene and Protein Expression in the Anterior Preoptic Area and Hypothalamus of Defeminized Rats / 338
Isabel Arrieta, Leticia Berenice Díaz-Ibáñez, Teresa Morales, Luciano Mendoza-Garcés, Sumiko Morimoto, Norma Moreno-Mendoza, and Marco A. Cerbón
Published online 12 June 2003

Denervation and Age Modify Neuromuscular Positional Selectivity / 347
S.R. Chadaram and M.B. Laskowski
Published online 12 June 2003

Role for Calcium in Heat Shock-Mediated Synaptic Thermoprotection in *Drosophila* Larvae / 360
J.W. Barclay and R.M. Robertson
Published online 12 June 2003

Sexually Dimorphic Neurocalcin Expression in the Developing Zebra Finch Telencephalon / 372
Sean L. Veney, Camilla Peabody, George W. Smith, and Juli Wade
Published online 12 June 2003

Effect of Hormones and Growth Factors on the Proliferation of Adult Cricket Neural Progenitor Cells *In Vitro* / 387
Jordane Malaterre, Colette Strambi, Aïcha Aouane, Alain Strambi, Geneviève Rougon, and Myriam Cayre
Published online 19 June 2003

Neuroprotection by the Steroids Pregnenolone and Dehydroepiandrosterone Is Mediated by the Enzyme Aromatase / 398
Sergio Veiga, Luis M. Garcia-Segura, and Iñigo Azcoitia
Published online 19 June 2003

Author Index to Volume 56 / 409

Subject Index to Volume 56 / 411

Volume Contents / I

Cover: Rostral embryonic spinal neurites lose their ability to distinguish between membranes of adult gluteus or serratus muscle. However, selective growth of rostral neurites on serratus (rostral) membranes is restored if muscles were previously denervated. From the article by Chadaram and Laskowski on page 347.